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DATE ~~R~~ Apr. 9/03

V2500-A1/A5 NACELLE SERVICE BULLETIN

Printed in Great Britain

This document transmits Revision 2 to Service Bulletin NV2500-26-0005 and Revision 2 to the Supplement

Document History

Service Bulletin Revision Status
Initial Issue Oct.27/95
Revision 1 Oct.9/97

Supplement Revision Status
Initial Issue Oct.27/95
Revision 1 Oct.9/97

Bulletin Revision 2

Remove
Pages 1 to 8 of the
Service Bulletin

Incorporate
Pages 1 to 9 of the
Service Bulletin

Reason for change
To revise Effectivity and
Fig.1, SB updated to latest
format.

Supplement Revision 2

Remove
All pages

Incorporate
Page 1

Reason for change
To revise Effectivity and
Fig.1, SB updated to latest
format.

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Transmittal - Page 1 of 2

CHECK THAT ALL PREVIOUS TRANSMITTALS HAVE BEEN INCORPORATED

If any have not been received please advise Publication Services, Rolls-Royce plc, Derby, England

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LIST OF EFFECTIVE PAGES

The effective pages to this Service Bulletin following incorporation of Revision 2 to the Bulletin and Revision 2 to the Supplement are as follows:

<u>Page</u>	<u>Revision Number</u>	<u>Revision Date</u>
Bulletin		
R 1	2	Apr.9/03
R 2	2	Apr.9/03
R 3	2	Apr.9/03
R 4	2	Apr.9/03
R 5	2	Apr.9/03
R 6	2	Apr.9/03
R 7	2	Apr.9/03
R 8	2	Apr.9/03
R 9	2	Apr.9/03
Supplement		
R 1	2	Apr.9/03

Printed in Great Britain



NACELLE - FIRE PROTECTION - FIRE DETECTOR ASSEMBLY - REPLACEMENT OF

1. Planning Information

A. Effectivity

(1) Airbus A320

R (a) V2500-A1 Nacelle Engine Buildup Units prior to N288

R V2527-A5, V2527E-A5 Nacelle Engine Buildup Units prior to N5013

(2) Airbus A321

R (a) V2530-A5, V2533-A5 Nacelle Engine Buildup Units prior to N5013

B. Concurrent Requirements

IAE Service Bulletin V2500-ENG-75-0050 should be done concurrently with this Service Bulletin.

C. Reason

(1) Problem

Existing firewire configuration impedes removal of the IDG. Additionally, the clearance between the firewire and Nos. 3 and 4 latches on the Fan Cowl Doors (FCD), was found to be inadequate on some units.

(2) Evidence

There has been reports of difficulty in removing the IDG and also of inadequate clearance between the Nos. 3 and 4 latches and the firewire.

(3) Substantiation

Trial installation has shown the new configuration to be satisfactory.

(4) Objectives

To ensure adequate clearance is maintained between the FCD latches and the firewire; and, to ease removal and installation of the IDG.

(5) Effect of Bulletin on:

(6) Operation

Not Affected.

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(7) Maintenance

Affected.

(8) Overhaul

Affected.

(9) Repair Scheme

Not Affected.

(10) Interchangeability

Affected.

(11) Fits and Clearances

Affected.

D. Description

(1) The change introduced by this Service Bulletin is as follows:

- (a) This Service Bulletin provides instructions to install a new firewire. The new firewire configuration introduces new clipping points CP0974, CP0975, CP0976 and rotates clipping point CP0962 thru 180 degrees . It deletes clipping points CP0963, CP0964, and CP0933.

E. Compliance

Category 7

Accomplish when the supply of superseded parts has been depleted.

F. Approval

The technical content of this Service Bulletin has been approved under the authority of the DGAC Design Organisation Approval No. F.JA.02.

G. Manpower

Estimated man-hours to incorporate the intent of this Service Bulletin on each engine:

(1) In Service

Not Applicable



(2) At overhaul

0.5 M/Hrs.

NOTE: Manpower estimate is provided for planning purposes only. No labor allowance is provided under the terms of this service bulletin offering.

H. Material Cost and Availability

Modification kit not required. Refer to Section 2, Material Information, for parts to accomplish this Service Bulletin.

I. Tooling Cost and Availability

None required.

J. Industry Support Information

Not applicable.

K. Weight and Balance

(1) Weight Change

No effect

(2) Moment Arm

None

(3) Datum

Engine Front Mount Centerline (Powerplant Station (PPS) 100.00)

L. Electrical Load Data

Not affected.

M. Software Accomplishment Summary

Not applicable.

N. References

(1) A320/V2500-A1 A319/A320/A321/V2500-A5 Engine Manual (E-V2500-11A), Chapter/Section 72-00-60.

(2) Internal Reference No. 92VN070.

(3) ATA Locator - 26-12-15.



0. Other Publications Affected

- (1) A320/V2500-A1/A5 Engine Illustrated Parts Catalog, Chapter/Section 26-12-15 will be revised.
- (2) A320/V2500-A1 A319/A320/A321/V2500-A5 Engine Manual (E-V2500-1IA) Chapter/Section 72-00-60 will be revised.
- (3) A320/V2500-A1 A319/A320/A321/V2500-A5 Aircraft Maintenance Manual (M-V2500-1IA) Chapter/Section 26-12-15 will be revised.

P. Interchangeability of Parts

- (1) The parts introduced by this Service Bulletin must be fitted as a set.

**2. Material Information****A. Kits associated with this Bulletin:**

None.

B. Parts affected by this Bulletin:

Applicability: For each V2500 Nacelle Engine Buildup Unit to incorporate this Bulletin

26-12-15

FIG ITEM NO.	NEW PART NO.	QTY	PART TITLE	MAT	OLD PART NO.	INSTR DISP
01100	7702-03	1	Detector Assy, Fire	-	7702-02	(A)(2D) (S1)
01102	4W0103	1	Bolt	-	-	(A)(S1)
01104	SP154D	1	Washer	-	-	(A)(S1)
01106	400WSS8	1	Clip	-	-	(A)(S1)
01108	4W0001	1	Nut	-	-	(A)(S1)
01110	4W0103	1	Bolt	-	-	(A)(S1)
01112	SP154D	1	Washer	-	-	(A)(S1)
01114	400WSS8	1	Clip	-	-	(A)(S1)
01116	4W0001	1	Nut	-	-	(A)(S1)
01118	4W0103	1	Bolt	-	-	(A)(S1)
01120	SP154D	1	Washer	-	-	(A)(S1)
01122	400WSS8	1	Clip	-	-	(A)(S1)
01124	4W0001	1	Nut	-	-	(A)(S1)
01125	-	1	Bolt	-	AS21408	(1D)(S1)
01127	-	1	Washer	-	SP154D	(1D)(S1)
01129	-	1	Clip	-	400WSS8	(1D)(S1)
01131	-	1	Washer	-	SP154D	(1D)(S1)
01132	-	1	Nut	-	AS20624	(1D)(S1)
01135	-	1	Washer	-	SP154D	(1D)(S1)
01137	-	1	Clip	-	400WSS8	(1D)(S1)
01139	-	1	Washer	-	SP154D	(1D)(S1)
01140	-	1	Nut	-	AS20624	(1D)(S1)
01141	-	1	Bolt	-	AS21408	(1D)(S1)
01143	-	1	Washer	-	SP154D	(1D)(S1)
01148	-	1	Clip	-	400WSS8	(1D)(S1)

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Not subject to the EAR per 15 C.F.R. Chapter 1, Part 734.3(b)(3).



C. Instructions/Dispositions Code Statements

(A) New part currently available.

(1D) Old part can be used up on other applications.

(2D) Discard old part.

(S1) Old and new parts are interchangeable in sets only. Use in conjunction with IAE Service Bulletin V2500-ENG-75-0050.



3. Accomplishment Instructions

A. Pre-requisite Instructions

None.

B. Rework or Modification Instructions

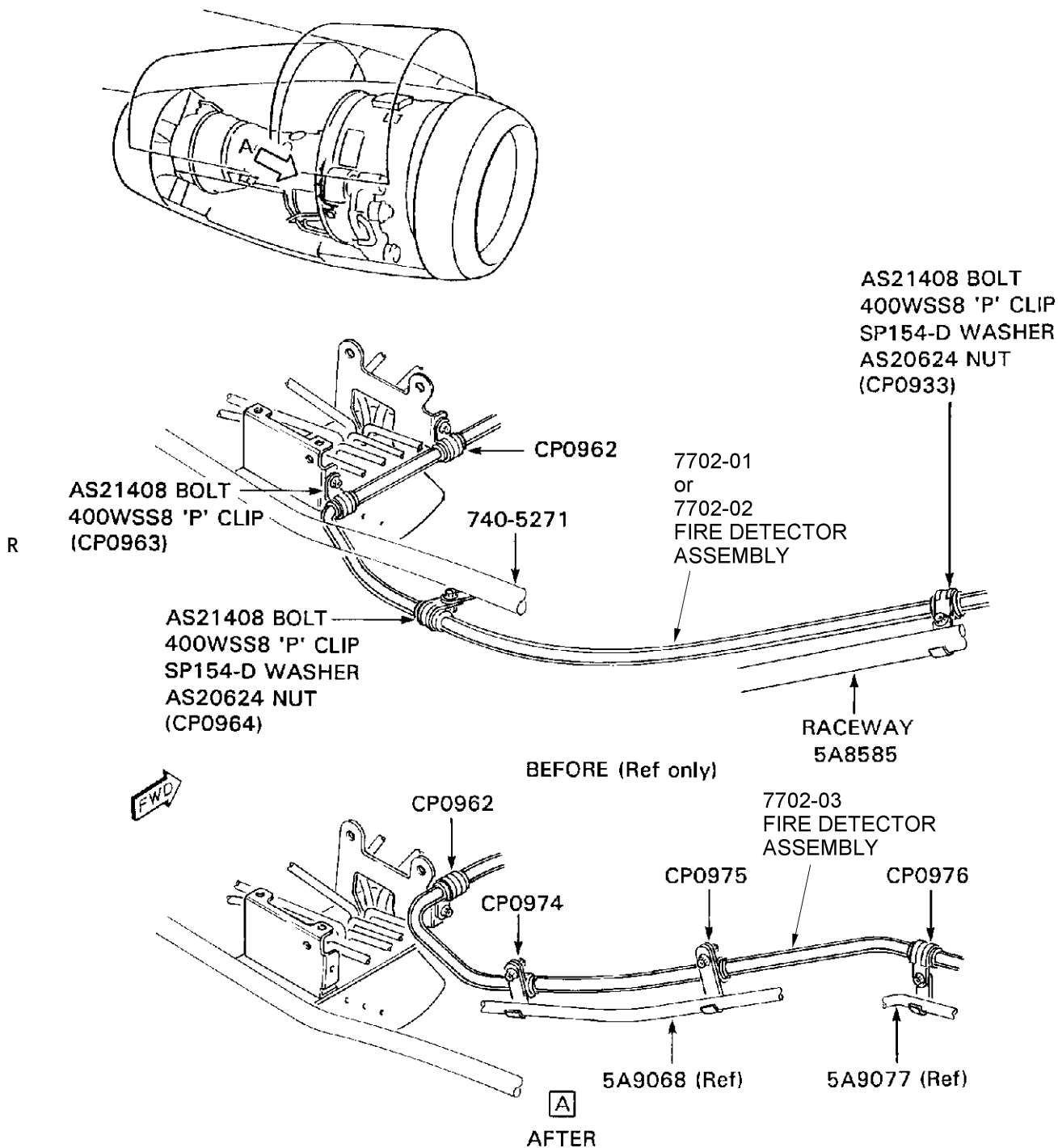
- (1) Install the 7702-03 firewire with procedures in the V2500 Engine Manual, Chapter 72-00-60, Installation 04 (except for clipping points CP0962, CP0963, CP0964, and CP0933) and as follows:
 - (a) Assemble clipping point CP0962 in the orientation shown, with the AS21408 bolt, SP154D washer, and 400WSS8 P-clip. Hand tighten only at this stage. Refer to Figures 1 and 2.
 - (b) Assemble clipping point CP0974 as shown with an AS21408 bolt, SP154D washer, 400WSS8 P-clip, and AS20624 nut.
 - (c) Assemble clipping point CP0975 as shown with an AS21408 bolt, SP154D washer, 400WSS8 P-clip, and AS20624 nut.
 - (d) Assemble clipping point CP0976 as shown with an AS21408 bolt, SP154D washer, 400WSS8 P-clip, and AS20624 nut.
 - (e) Torque the nuts and bolts to 36-45 lbf-in (4-5 Nm).
 - (f) Make sure the firewire element is not bent or twisted.

C. Postrequisite Instructions

None.

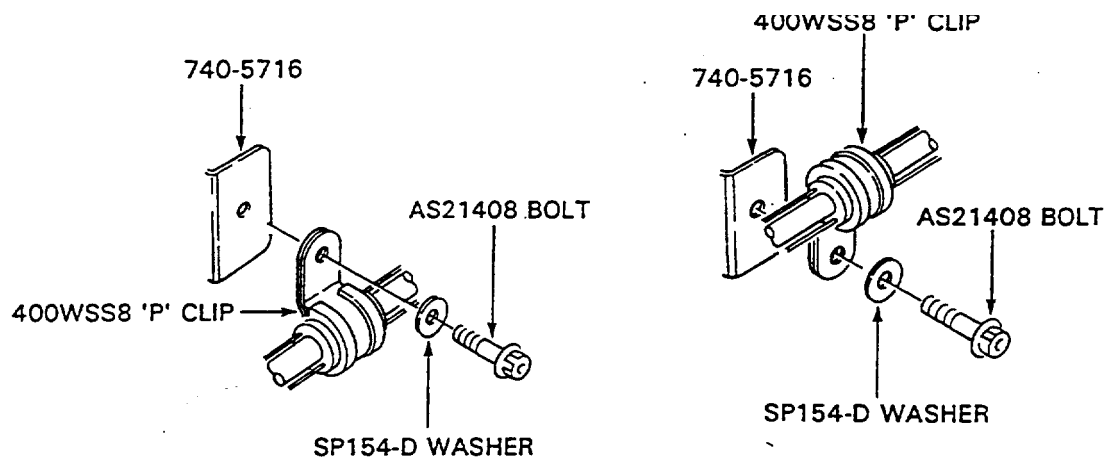
D. Recording Instructions

Write in engine log and/or other applicable records that Service Bulletin V2500-NAC-26-0005 has been done.



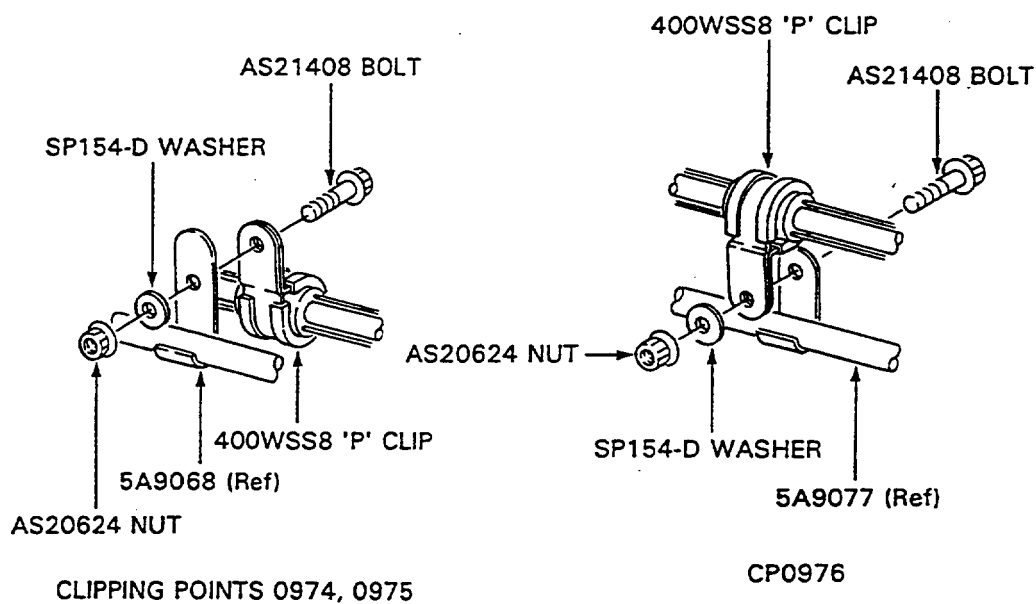
Installation of Accessory Zone Fire Detector
Figure 1

R
R



CP0962 BEFORE

CP0962 AFTER



CLIPPING POINTS 0974, 0975

CP0976

ded00000097

R

Installation of Accessory Zone Fire Detector
Figure 2

NACELLE - FIRE PROTECTION - FIRE DETECTOR ASSEMBLY - REPLACEMENT OFSUPPLEMENT - PRICES AND AVAILABILITY

The prices if shown are for estimating purposes only and as such are given in good faith, without commercial liability for advanced planning purposes only. Refer to R IAE Spares and/or current price catalogue for current prices.

1. Modification Kit:

Not applicable.

2. New Production Parts:

Part No.	Desc.	Unit Price US Dollars
7702-03	Detector Assy	Price supplied on request
4W0103	Bolt	Price supplied on request
SP154D	Washer	Price supplied on request
400WSS8	Clip	Price supplied on request
4W0001	Nut	Price supplied on request

